(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau





(43) International Publication Date 16 June 2005 (16.06.2005)

PCT

(10) International Publication Number $WO\ 2005/054500\ A1$

(51) International Patent Classification⁷:

C12Q 1/68

(74) Agent: VOSSIUS & PARTNER; Siebertstrasse 4, 81675 München (DE).

(81) Designated States (unless otherwise indicated, for every

kind of national protection available): AE, AG, AL, AM,

AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,

CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,

GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,

MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,

TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,

(21) International Application Number:

PCT/EP2004/010857

(22) International Filing Date:

28 September 2004 (28.09.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

03 02 6953.4

25 November 2003 (25.11.2003) EP

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,

(71) Applicant (for all designated States except US): MAX-PLANCK-GESELLSCHAFT ZUR FÖRDERUNG DER WISSENSCHAFTEN eV [DE/DE]; Berlin (DE).

(72) Inventors; and

(75) Inventors/Applicants (for US only): BINDER, Elisabeth [AT/DE]; Corneliusstr. 3, 80469 München (DE). HOLSBOER, Florian [CH/DE]; Rohmederstrasse 12, 80805 München (DE). REIN, Theo [DE/DE]; Am Schnepfenweg 60a, 80995 München (DE). WOCHNIK, Gabriele [DE/DE]; Badstr. 15, 86926 Greifenberg (DE). MÜLLER-MYHSOK, Bertram [DE/DE]; Stroblstr. 40, 80689 München (DE). UHR, Manfred [DE/DE]; Föhrenstr. 2, 82131 Stockdork (DE).

Published:

ZW.

with international search report

GW, ML, MR, NE, SN, TD, TG).

MÜLLER-MYHSOK, Bertram [DE/DE]; Stroblstr. For two-letter codes and other abbreviations, refer to the "Guid-40, 80689 München (DE). UHR, Manfred [DE/DE]; ance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: FKBP51: A NOVEL TARGET FOR ANTIDEPRESSANT THERAPY

(57) Abstract: The present invention relates to a method of classifying an individual comprising analyzing the nucleic acid of a sample taken from said patient for nucleotide polymorphisms in a haplotype block comprising the gene encoding FKBP51 and/or determining the expression level of FKBP51 in said sample. In a preferred embodiment, the invention provides a method of predicting the response to CC. Furthermore, a method of developing an antidepressant drug, and pharmaceutical compositions are provided.